

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) An attack defending system provided at an interface between an internal network and an external network, comprising a decoy device and a firewall device, wherein the firewall device inputs an input IP packet from the external network and forwards it to one of the decoy device and the internal network, wherein

the decoy device comprises:

an attack detector for detecting presence or absence of an attack by executing a service process for the input IP packet transferred from the firewall device, and

the firewall device comprises:

a packet filter for determining whether the input IP packet inputted from the external network is to be accepted, based on header information of the input IP packet and a filtering condition corresponding to the input IP packet;

a destination selector for selecting one of the internal network and the decoy device as a destination of the input IP packet accepted by the packet filter, based on the header information of the input IP packet and a distribution condition; and

a filtering condition manager for managing the filtering condition depending on whether the attack detector detects an attack based on the input IP packet forwarded to the decoy device.

2. (original) The attack defending system according to claim 1, wherein the header information of an input IP packet includes at least one of a source IP address and a destination IP address thereof,

wherein the destination selector selects a destination of the input IP packet depending on whether the header information of the input IP packet satisfies the distribution condition.

3. (original) The attack defending system according to claim 1, wherein the destination selector comprises a memory for storing as the distribution condition a guiding list containing a set of IP addresses unused in the internal network, wherein the destination selector selects the decoy device when a destination IP address of the input IP packet matches an unused IP address contained in the guiding list.

4. (original) The attack defending system according to claim 1, wherein the destination selector comprises:

a packet buffer for storing input IP packets; and

a monitor for monitoring reception of a destination unreachable message after an input IP packet has been transferred from the packet buffer to the internal network,

wherein, when the monitor detects the reception of the destination unreachable message for the input IP packet, the input IP packet is transferred from the packet buffer to the decoy device.

5. (original) The attack defending system according to claim 1, wherein the firewall device further comprises:

a distribution condition updating section for updating the distribution condition depending on whether the attack detector detects an attack based on the input IP packet transferred to the decoy device.

6. (original) The attack defending system according to claim 1, wherein the filtering condition manager stores the filtering condition with a limited validity period, which corresponds to the header information of the input IP packet forwarded to the decoy device, wherein, when the limited validity period has elapsed, a default filtering condition is returned to the packet filter.

7. (original) The attack defending system according to claim 1, wherein the filtering condition manager comprises:

a condition generator for generating a filtering condition corresponding to a combination of an attack category of an attack detected by the attack detector and address information of the input IP packet; and

a filtering condition controller for dynamically updating the filtering condition according to the filtering condition generated by the condition generator.

8. (original) The attack defending system according to claim 6, wherein the filtering condition manager comprises:

a condition generator for generating a filtering condition corresponding to a combination of an attack category of an attack detected by the attack detector and address information of the input IP packet; and

a filtering condition controller for dynamically updating the filtering condition according to the filtering condition generated by the condition generator.

9. (original) The attack defending system according to claim 1, wherein the decoy device comprises:

an event memory for temporarily storing events related to at least network input/output, file input/output, and process creation/termination; and

an event manager for analyzing cause-effect relations of the events stored in the event memory to form links among the events.

10. (original) The attack defending system according to claim 1, wherein the attack detector detects an attack from an execution status of the service process according to a rule having at least one of domain constraint and type constraint added thereto.

11. (original) The attack defending system according to claim 9, wherein the attack detector detects an attack from an execution status of the service process according to a rule having at least one of domain constraint and type constraint added thereto.

12. (original) The attack defending system according to claim 11, wherein the attack detector searches the links to extract at least, a generation event of a process generating an event to be inspected and a network reception event by which the event to be inspected is generated, when determination is made based on the domain constraint and the type constraint.

13. (original) The attack defending system according to claim 1, further comprising a mirroring device for copying at

least a file system from a server on the internal network to the decoy device, wherein when an attack is detected by the decoy device, the mirroring device copies at least the file system from the server on the internal network to the decoy device.

14-58. (canceled)

59. (original) A firewall device connected to a decoy device, provided at an interface between an internal network and an external network, wherein the firewall device inputs an input IP packet from the external network and forwards it to one of the decoy device and the internal network, comprising:

a packet filter for determining whether the input IP packet inputted from the external network is to be accepted, based on header information of the input IP packet and a filtering condition corresponding to the input IP packet;

a destination selector for selecting one of the internal network and the decoy device as a destination of the input IP packet accepted by the packet filter, based on the header information of the input IP packet and a distribution condition; and

a filtering condition manager for managing the filtering condition corresponding to the input IP packet forwarded to the decoy device depending on whether the attack detector detects an attack based on the input IP packet.

60-112. (canceled)